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The Trusted Integrator for Sustainable Solutions

October 9, 2015

U.S. Environmental Protection Agency Region III
Attn: Mr. Myles Bartos
On-Scene Coordinator
1650 Arch Street
Philadelphia, Pennsylvania 19103

Attn: Myles Bartos
Subject: RIC PCB-Summary of Findings
Project: RIC PCB Site, Roanoke, Virginia
EPA Contract No.: EP-S3-15-02
TDD No.: WS01-15-09-001
Document Control No.: W0057.1C.01475

Dear Mr. Bartos:

Under the Eastern Area Superfund Technical Assessment and Response Team (START) Contract No. EP-S3-15-02, the United States Environmental Protection Agency (EPA) Region III tasked Weston Solutions, Inc. (WESTON®) to conduct a site walk and collect wipe and oil samples from suspected polychlorinated biphenyl (PCB)-containing transformers from the RIC PCB Site (Site). The Site is located in a warehouse at the Roanoke Industrial Center in Roanoke, Virginia.

On September 16, 2015, with the permission of the property owner, EPA, START, and Potentially Responsible Party (PRP) contractors, Marsh & McLennan Agency (MMA) Environmental and LCM Environmental, met to conduct a site walk. Thirty-two similar looking transformer devices were observed on the second floor of Building 2C. The devices are divided into two areas, Area A (Southern) and Area B (Northern). At the time of the site walk, the devices in Area A appeared to be “dry”. START collected a wipe sample from Equipment No. 3, located in Area B, sample ID: RP-W-01-091615, Contract Laboratory Program (CLP) No. C0AA0 and from the floor behind Equipment No. 3, sample ID: RP-02-091615, CLP No.

C0AA1, for PCB analysis. MMA Environmental collected five wipe samples, sample IDs: Equipment No. 1 Wipe, Equipment No. 2 Wipe, Equipment No. 4 Wipe, Area A Floor Wipe, and Area B Floor Wipe. Equipment No. 1 Wipe was collected of a device located in Area A, Equipment No. 2 Wipe was collected of a device located in Area A, and Equipment No. 4 Wipe was collected of a device located in Area B.

LCM Environmental opened a device labeled Equipment No. 4 located in Area B. The oil contained in Equipment No. 4 was pumped out using a hand pump by LCM Environmental and split between MMA Environmental, sample ID: Equip No. 4 Oil, and START, sample ID: PR-O-01-091615, CLP No. C0AA2. Both samples were analyzed for PCB Aroclor analysis.

LCM Environmental over packed the 32 devices into 11 drums. Ten of the drums contain three devices each, whereas one drum contains two devices. Because there were no analytical results at the time of the sampling, all drums were labeled as “Containing PCBs” and were staged for later disposal. Photographs of the site conditions and sample locations can be found in Attachment A.

Laboratory analytical results indicated no detectable quantity of PCBs in any of the wipe samples or in the oil sample collected. Preliminary laboratory analytical summary reports are enclosed in Attachment B.

If you have any questions regarding this report, please call me at (610) 701-3014.

Sincerely,
WESTON SOLUTIONS, INC.
Non Responsive based on Revised Scope
Non Responsive based on Revised Scope
Project Task Lead

Enclosure:
cc: TDD File
Attachment A – Photographic Documentation
Attachment B – Analytical Results

ATTACHMENT A
PHOTOGRAPHIC DOCUMENTATION

Client: U.S. EPA Region 3
Site Name: RIC PCB
Location: Roanoke, VA

Photographic Documentation

Prepared by: Region 3 START

Photographer: [REDACTED] Non Responsive based on Revised Scope

TDD Number: W501-15-09-001

Photograph No. 1

Photograph Date:
September 16, 2015

Description:
Location of START wipe sample
RP-W-01-091615 from
Equipment No. 3 in Area B.

Orientation:
West



Client: U.S. EPA Region 3
Site Name: RIC PCB
Location: Roanoke, VA

Photographic Documentation

Prepared by: Region 3 START

Photographer: [REDACTED] Non Responsive based on Revised Scope

TDD Number: W501-15-09-001

Photograph No. 2

Photograph Date:
September 16, 2015

Description:
Location of START wipe sample
RP-W-02-091615 from floor
behind Equipment No. 3 in Area
B.

Orientation:
West



Client: U.S. EPA Region 3
Site Name: RIC PCB
Location: Roanoke, VA

Photographic Documentation

Prepared by: Region 3 START

Photographer: [REDACTED] Non Responsive based on Revised Scope

TDD Number: W501-15-09-001

Photograph No. 3

Photograph Date:
September 16, 2015

Description:
Location of MMA Environmental
wipe sample Equipment No. 1
Wipe from Equipment No. 1 in
Area A.

Orientation:
West



Client: U.S. EPA Region 3
Site Name: RIC PCB
Location: Roanoke, VA

Photographic Documentation

Prepared by: Region 3 START

Photographer: [REDACTED] Non Responsive based on Revised Scope

TDD Number: W501-15-09-001

Photograph No. 4

Photograph Date:
September 16, 2015

Description:
Location of MMA Environmental
wipe sample Equipment No. 2
Wipe from Equipment No. 2 in
Area A.

Orientation:
West



Client: U.S. EPA Region 3
Site Name: RIC PCB
Location: Roanoke, VA

Photographic Documentation

Prepared by: Region 3 START

Photographer: [REDACTED]

TDD Number: W501-15-09-001

Photograph No. 5

Photograph Date:
September 16, 2015

Description:
Location of MMA Environmental
wipe sample Equipment No. 4
Wipe from Equipment No. 4 in
Area B.

Orientation:
West



Client: U.S. EPA Region 3
Site Name: RIC PCB
Location: Roanoke, VA

Photographic Documentation

Prepared by: Region 3 START

Photographer: [REDACTED] Non Responsive based on Revised Scope

TDD Number: W501-15-09-001

Photograph No. 6

Photograph Date:
September 16, 2015

Description:
Location of MMA Environmental
wipe sample Area A Floor Wipe
from floor in Area A.

Orientation:
West



Client: U.S. EPA Region 3
Site Name: RIC PCB
Location: Roanoke, VA

Photographic Documentation

Prepared by: Region 3 START

Photographer: Non Responsive based on Revised Scope

TDD Number: W501-15-09-001

Photograph No. 7

Photograph Date:
September 16, 2015

Description:
Location of MMA Environmental
wipe sample Area B Floor Wipe
from floor in Area B.

Orientation:
West



Client: U.S. EPA Region 3
Site Name: RIC PCB
Location: Roanoke, VA

Photographic Documentation

Prepared by: Region 3 START

Photographer: [Redacted]

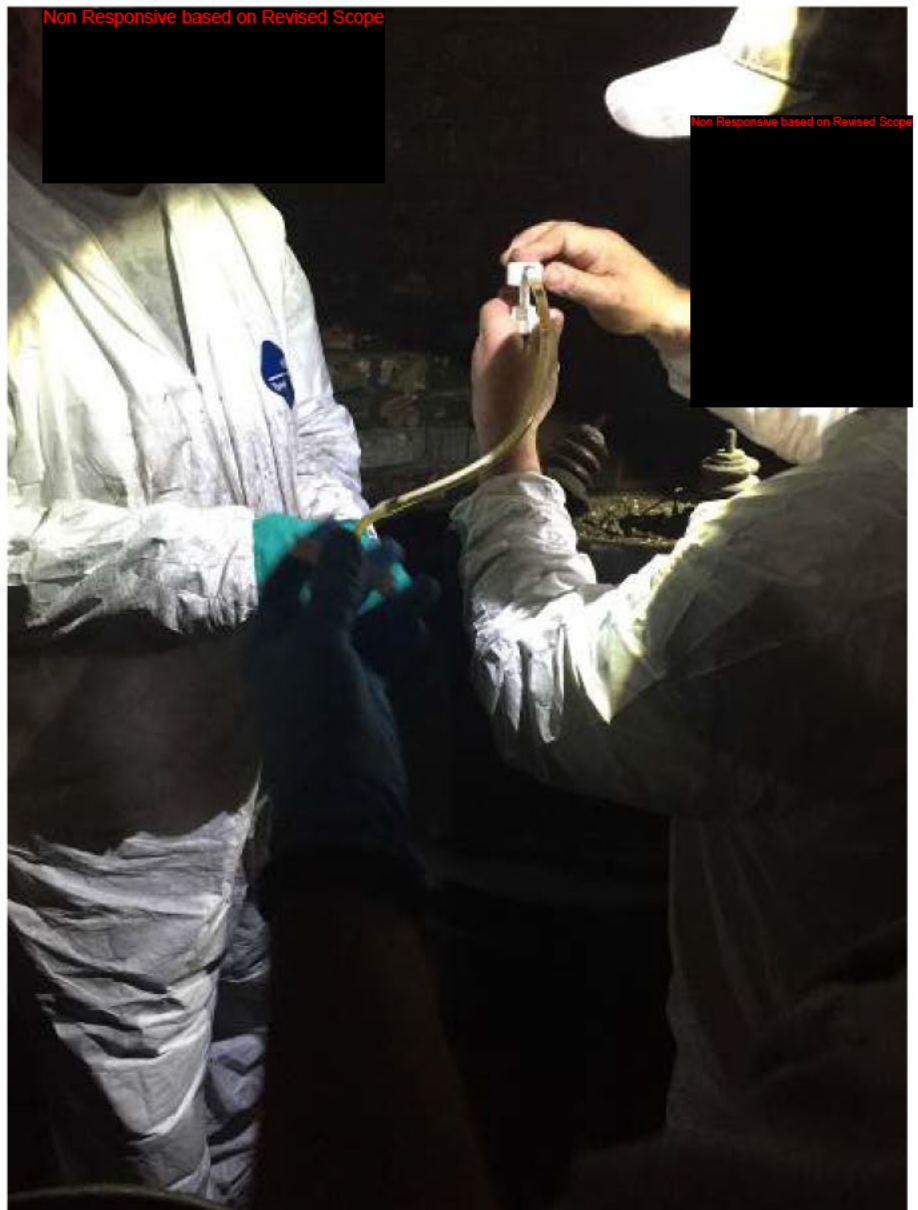
TDD Number: W501-15-09-001

Photograph No. 8

Photograph Date:
September 16, 2015

Description:
Collection of oil sample from
Equipment No. 4 by a hand pump.

Orientation:
West



Client: U.S. EPA Region 3
Site Name: RIC PCB
Location: Roanoke, VA

Photographic Documentation

Prepared by: Region 3 START

Photographer: Non Responsive based on Revised Scope

TDD Number:

Photograph No. 9

Photograph Date:
September 16, 2015

Description:
Close-up of Equipment No. 4 cap
where oil was collected by a hand
pump.

Orientation:
NA



Client: U.S. EPA Region 3
Site Name: RIC PCB
Location: Roanoke, VA

Photographic Documentation

Prepared by: Region 3 START

Photographer: Non Responsive based on Revised Scope

TDD Number: W501-15-09-001

Photograph No. 10

Photograph Date:
September 16, 2015

Description:
START oil sample RP-O-01-
091615.

Orientation:
NA



Photographic Documentation

Client: U.S. EPA Region 3

Site Name: RIC PCB

Location: Roanoke, VA

Prepared by: Region 3 START

Photographer: [REDACTED] Non Responsive based on Revised Scope

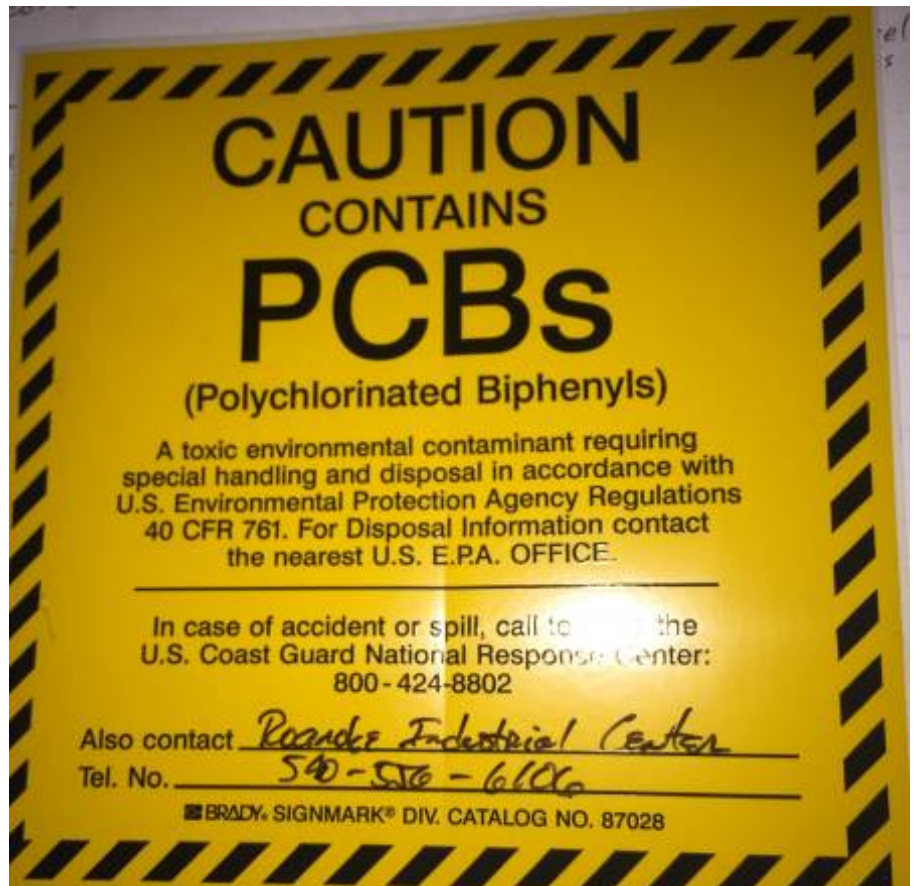
TDD Number: W501-15-09-001

Photograph No. 11

Photograph Date:
September 16, 2015

Description:
Label that was placed on 32 individual devices and exterior of 11 drums prior to sample results indicating devices do not contain PCB oil.

Orientation:
NA



Client: U.S. EPA Region 3
Site Name: RIC PCB
Location: Roanoke, VA

Photographic Documentation

Prepared by: Region 3 START

Photographer: Non Responsive based on Revised Scope

TDD Number: W501-15-09-001

Photograph No. 12

Photograph Date:
September 16, 2015

Description:
Staged drums in hallway

Orientation:
South



Photograph No. 13

Photograph Date:
September 16, 2015

Description:
Staged drums in hallway

Orientation:
West



ATTACHMENT B
ANALYTICAL RESULTS

No: 3-091715-171938-0001

Lab: Chemtech Consulting Group

Lab Contact:

Lab Phone: 908-789-8900

Cooler #: 1

[illegible]

Special Instructions: Original COC states Case Number 45692, this is a typo. Correct Case Number 45629.

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: PCB-A=PCB (Aroclor)

[illegible]

* Revised COC 9/28/15

Non Responsive based on

CHAIN OF CUSTODY RECORD

Site #: 00

No: 3-091715-171938-0001

Cooler #: 1

Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Contact Name: [REDACTED]
Contact Phone: [REDACTED]

[illegible]

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
sample collection	[Redacted] PART	9/18/15 0900	[Redacted] Non Responsive based on Revised Scope	9/18/15 9:30	INTACT 5°C
	CLIENT DROPOFF				

Sample Delivery Group (SDG) Cover Sheet

SDG Number C0AA0 Case Number 45629 Contract Number EP-W-14-030
Lab Code CHEM SDG Turnaround 21 DAYS Delivery CLIN(s) 1
3 DAY PR
First Sample Received in SDG C0AA0 Last Sample Received in SDG C0AA1
First Sample Receipt Date 9/18/2015 9:30:00 AM Last Sample Receipt Date 9/18/2015 9:30:00 AM

USEPA Sample Numbers in SDG (Listed in Numerical Order)

CLP Sample ID	Sample Type	Requested Analytical CLIN(s)/SubCLIN(s)	Solicitation Number	MA Number(s)
C0AA0	Field Sample	0010AA	2643A	2463.0
C0AA1	Field Sample	0010AA	2643A	2463.0

Note: There are a maximum of 20 field samples (excluding PE samples) in an SDG. Attach TR/COC Records to this form in alphanumeric order (the order listed above on this form).

Non Responsive based on Revised Scope

Signature

Date

9/24/2015

Preliminary ResultsFORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

C0AA0

Lab Name : Chemtech Consulting Group
Lab Code: CHM Case No.: 45629
Analytical Method : ARO
Matrix : Wipe
Sample wt/vol : 1.00 (g/mL): g
% Solids : 100
GC Column : ZB-MR1 ID : 0.32 (mm)
GC Column : ZB-MR2 ID : 0.32 (mm)
Extract Concentrated : (Y / N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, mg/L, µg/kg) : µg

Contract : EPW14030
MA No. : 2463.0 SDG No.: C0AA0
Level :
Lab Sample ID : G3782-01
Lab File ID : PQ003640.D
Date Received : 09/18/2015
Date Extracted : 09/25/2015
Date Analyzed : 09/25/2015
Extract Volume : 10000 (µL)
Extraction Type : SOXH
Injection Volume : 1.0 (µL)
pH : Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.990	U
11104-28-2	Aroclor-1221	0.990	U
11141-16-5	Aroclor-1232	0.990	U
53469-21-9	Aroclor-1242	0.990	U
12672-29-6	Aroclor-1248	0.990	U
11097-69-1	Aroclor-1254	0.990	U
11096-82-5	Aroclor-1260	0.990	U
37324-23-5	Aroclor-1262	0.990	U
11100-14-4	Aroclor-1268	0.990	U

Preliminary ResultsFORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

C0AA1

Lab Name : Chemtech Consulting Group
Lab Code: CHM Case No.: 45629
Analytical Method : ARO
Matrix : Wipe
Sample wt/vol : 1.00 (g/mL): g
% Solids 100
GC Column : ZB-MR1 ID : 0.32 (mm)
GC Column : ZB-MR2 ID : 0.32 (mm)
Extract Concentrated : (Y / N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, mg/L, µg/kg) : µg

Contract EPW14030
MA No. : 2463.0 SDG No.: C0AA0
Level :
Lab Sample ID : G3782-02
Lab File ID PQ003641.D
Date Received : 09/18/2015
Date Extracted : 09/25/2015
Date Analyzed : 09/25/2015
Extract Volume : 10000 (µL)
Extraction Type : SOXH
Injection Volume : 1.0 (µL)
pH : Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.990	U
11104-28-2	Aroclor-1221	0.990	U
11141-16-5	Aroclor-1232	0.990	U
53469-21-9	Aroclor-1242	0.990	U
12672-29-6	Aroclor-1248	0.990	U
11097-69-1	Aroclor-1254	0.990	U
11096-82-5	Aroclor-1260	0.990	U
37324-23-5	Aroclor-1262	0.990	U
11100-14-4	Aroclor-1268	0.990	U

No: 3-091715-171938-0001

Lab: Chemtech Consulting Group

Lab Contact:

Case #: 45629

Cooler #: 1

Lab Phone: 908-768-8900

[illegible]

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: PCB-A=PCB (Aroclor)

[illegible]

* Revised COC 9/28/15

SDG #: COAA2

CHAIN OF CUSTODY RECORD

Site #: 00

Contact Name

Contact Phone

No: 3-091715-171938-0001

Cooler #: 1

Lab: Chemtech Consulting Group

Lab Phone: 908-789-8900

[illegible]

Special Instructions:

SAMPLES TRANSFERRED FROM	
CHAIN OF CUSTODY #	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sample Collection	Non Responsive based on Revised Scope [Redacted Signature]	9/18/15 0900	Non Responsive based on Revised Scope [Redacted Signature]	9/18/15 9:30	INTACT 5°C
CLIENT DROPOFF					

Sample Delivery Group (SDG) Cover Sheet

SDG Number C0AA2 Case Number 45629 Contract Number EP-W-14-030
 Lab Code CHEM SDG Turnaround 21 DAYS
3 DAY PR Delivery CLIN(s) 1
 First Sample Received in SDG C0AA2 Last Sample Received in SDG C0AA2MSD
 First Sample Receipt Date 9/18/2015 9:30:00 AM Last Sample Receipt Date 9/18/2015 9:30:00 AM

USEPA Sample Numbers in SDG (Listed in Numerical Order)

CLP Sample ID	Sample Type	Requested Analytical CLIN(s)/SubCLIN(s)	Solicitation Number	MA Number(s)
C0AA2	Field Sample	0010AA	2643A	2533.0
C0AA2MS	Field Sample	0010AA	2643A	2533.0
C0AA2MSD	Field Sample	0010AA	2643A	2533.0

Note: There are a maximum of 20 field samples (excluding PE samples) in an SDG. Attach TR/COC Records to this form in alphanumeric order (the order listed above on this form).

Non Responsive based on Revised Scope

Signature _____

Date _____

9/24/2015

Preliminary ResultsFORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO

C0AA2

Lab Name : Chemtech Consulting Group

Lab Code CHM Case No.: 45629

Analytical Method ARO

Matrix : Soil

Sample wt/vol : 1.06 (g/mL): g

% Solids 100

GC Column : ZB-MR1 ID : 0 32 (mm)

GC Column : ZB-MR2 ID 0.32 (mm)

Extract Concentrated (Y / N) N

Soil Aliquot (VOA) : _____ (µL)

Heated Purge : (Y/N) _____

Purge Volume : _____ (mL)

Cleanup Types : _____

Concentration Units (µg/L, mg/L, µg/kg) : µg/kg

Contract EPW14030

MA No. : 2533 0 SDG No.: C0AA2

Level : _____

Lab Sample ID : G3783-01

Lab File ID PQ003637.D

Date Received : 09/18/2015

Date Extracted : 09/25/2015

Date Analyzed : 09/25/2015

Extract Volume 10000 (µL)

Extraction Type SOXH

Injection Volume 1.0 (µL)

pH _____ Dilution Factor 1 0

Cleanup Factor : 1 0

CAS NO	ANALYTE	CONCENTRATION	Q
12674 11 2	Aroclor-1016	930	U
11104-28-2	Aroclor-1221	930	U
11141-16-5	Aroclor-1232	930	U
53469-21-9	Aroclor-1242	930	U
12672-29-6	Aroclor-1248	930	U
11097 69 1	Aroclor-1254	930	U
11096-82-5	Aroclor-1260	930	U
37324-23-5	Aroclor-1262	930	U
11100-14-4	Aroclor-1268	930	U